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FROM: James E. Davis (314) 446-7683
RE: Listing of Claims per telephone call

Listing of Claims

Claims 1-14 (canceled).

¹/15. (previously presented) A delivery system comprising: an active ingredient covalently bonded to a linker through a hydrolyzable covalent bond formed with a hydroxyl, CO₂H, amino, mercapto, or enolizable carbonyl moiety of the active ingredient to produce an ester, carboxylic acid, anhydride, amide, thioester, or enol ester; said linker being covalently bonded to a portion of subunits of a crosslinked polymer through a linker-polymer covalent bond selected from the group consisting of a nitrogen-carbon bond and a phosphorus-carbon bond.

²/16. (original) The delivery system of claim ¹/15 wherein the crosslinked polymer is selected from the group consisting of poly[(4-dialkylaminomethyl)styrene], poly[(3-dialkylaminomethyl)styrene], and mixtures of poly[(4-dialkylaminomethyl)styrene] and poly[(3-dialkylaminomethyl)styrene].

³/17. (original) The delivery system of claim ²/16 wherein the cross-linked polymer is poly[(4-dimethylaminomethyl)styrene], poly[(3-dimethylaminomethyl)styrene], or a mixture thereof.

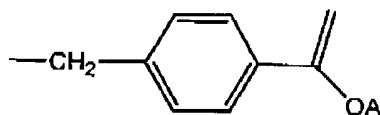
⁴/18. (original) The delivery system of claim ³/17 wherein substantially all styrenic subunits of the crosslinked polystyrene polymer not bonded to the linker are substituted by quarternary ammonium salt moieties.

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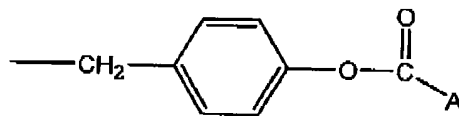
HDP Dkt. No. 6794-000218/US/01

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19. (previously presented) The delivery system of claim 18 wherein the active ingredient and the linker form a substituent on a 4-dimethylaminomethyl moiety or a 3-dimethylaminomethyl moiety having a structure represented by



wherein OA is the covalently bonded active ingredient.

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20. (previously presented) The delivery system of claim 18 wherein the active ingredient and the linker form a substituent on a 4-dimethylaminomethyl moiety or a 3-dimethylaminomethyl moiety having a structure represented by:



wherein $\text{O}=\text{C}-\text{A}$ is the covalently bonded active ingredient.

LISTING OF CLAIMS

The following listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims

Claims 1-14 (canceled).

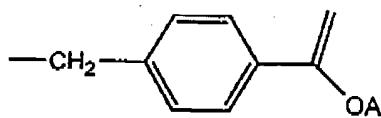
15. (previously presented) A delivery system comprising: an active ingredient covalently bonded to a linker through a hydrolyzable covalent bond formed with a hydroxyl, CO₂H, amino, mercapto, or enolizable carbonyl moiety of the active ingredient to produce an ester, carboxylic acid, anhydride, amide, thioester, or enol ester; said linker being covalently bonded to a portion of subunits of a crosslinked polymer through a linker-polymer covalent bond selected from the group consisting of a nitrogen-carbon bond and a phosphorus-carbon bond.

16. (original) The delivery system of claim 15 wherein the crosslinked polymer is selected from the group consisting of poly[(4-dialkylaminomethyl)styrene], poly[(3-dialkylaminomethyl)styrene], and mixtures of poly[(4-dialkylaminomethyl)styrene] and poly[(3-dialkylaminomethyl)styrene].

17. (original) The delivery system of claim 16 wherein the cross-linked polymer is poly[(4-dimethylaminomethyl)styrene], poly[(3-dimethylaminomethyl)styrene], or a mixture thereof.

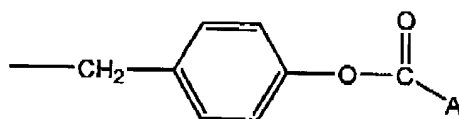
18. (original) The delivery system of claim 17 wherein substantially all styrenic subunits of the crosslinked polystyrene polymer not bonded to the linker are substituted by quarternary ammonium salt moieties.

19. (previously presented) The delivery system of claim 18 wherein the active ingredient and the linker form a substituent on a 4-dimethylaminomethyl moiety or a 3-dimethylaminomethyl moiety having a structure represented by



wherein OA is the covalently bonded active ingredient.

20. (previously presented) The delivery system of claim 18 wherein the active ingredient and the linker form a substituent on a 4-dimethylaminomethyl moiety or a 3-dimethylaminomethyl moiety having a structure represented by:



wherein —C(=O)—A is the covalently bonded active ingredient.